User Manual

Arrive RoomPoint™ 4242-HDw User Manual

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1. Introduction

1.1 Document Scope

The purpose of the document is to help the user set-up and use the device correctly with ease.

1.2 Product OverView

Arrive's RoomPoint™ family of Unified Media Processors are created to provide the ability for system integrators and users to benefit from the AV and IT crossover opportunity of merging the wired world of AV with the wireless and cloud connected world of IT. Arrive RoomPoint™ Unified Media Processors perform the functions that several discreet devices independently used to perform in the past. Edgeless architecture provides the opportunity to integrate the form to single devices with multiple functions that edgelessly perform the AV-IT crossover functions by merging wired, wireless and cloud into a single performing application driven system.

The Arrive RoomPoint™ 4242 works in a High Definition presentation environment where all the wired input and outputs are Full HD. Eye-catching design perfectly blends into architectural 1U scenarios for wall mount, under desk mount, table-top or rack mount placement.

Figure 1: Rear Panel of RoomPoint 4242

Figure 2: Front Panel of RoomPoint 4242

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2. Technical Specifications

2.1 Panel Description

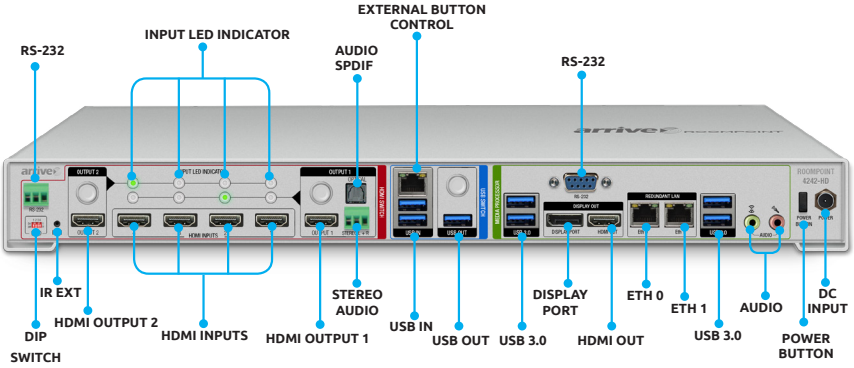

Figure 3: Port Identification Diagram

2.2 Technical Specifications

Dimensions (LxBxH in cms)	44x24.5x5 (with the back cover)
Weight	3.35 Kg
Power Supply	19V DC
Input Ports	4 x HDMI
OutPut Ports	2 x HDMI from switcher, 1x HDMI and 1 X DP from media processor
Network Ports	2 x 10/100/1000 Base-T
HDMI audio de-embedding	1 x Stereo, 1 x SPDIF
Audio Inputs	1 x MIC- in, 1 x Line-in
Control	RS232, IR, Remote, Button Panel
USB Ports	4 x USB 3.0, 1 X USB 2.0 from switcher

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Noise levels	53 dB max

3. Out of the Box

No	Item	Quantity
1	RoomPoint Device	1
2	19V Power adapter	1
3	Remote control	1
4	IR receiver	1
5	Mounting bracket (rack mount)	1
6	Mounting Screws	8
7	Back metal cover	1
8	Power cable	1

We recommend you:

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Unpack carefully and check for the listed items. In case of missing items you can reach us at netsupport@arrivesys.com.

Review the RoomPoint user guide contents prior to setting up the device.

4. Connecting the device

RoomPoint 4242 is an ideal for 1U solution for wall mount, under desk mount, table-top or rack mount placement. Ensure the device is mounted on a plain surface.

The schematic below is a general reference for connectivity.

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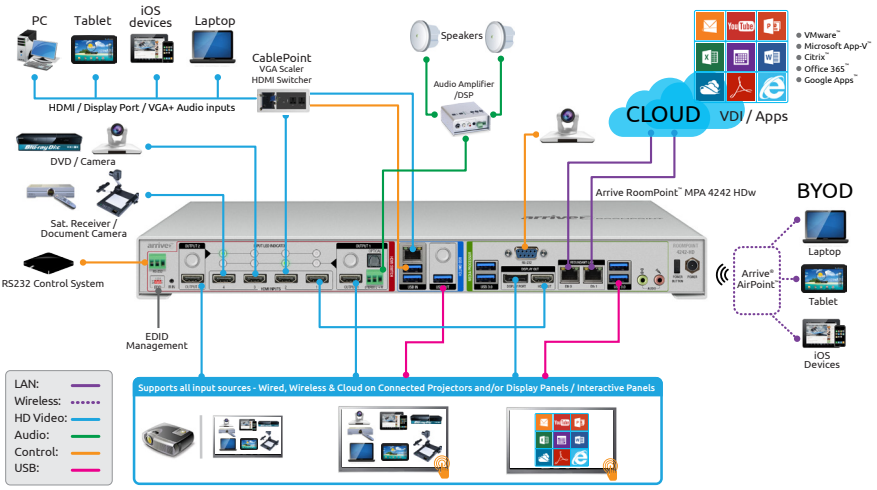

Figure 4: General Connectivity Reference Schema

5. Default Power-on Behavior

1. Power the device and turn it **ON.** The CloudPoint client application installed on the device starts. Fill in the Server IP. Select the Location, Building, Floor and Room/Venue. Click on **Save.**

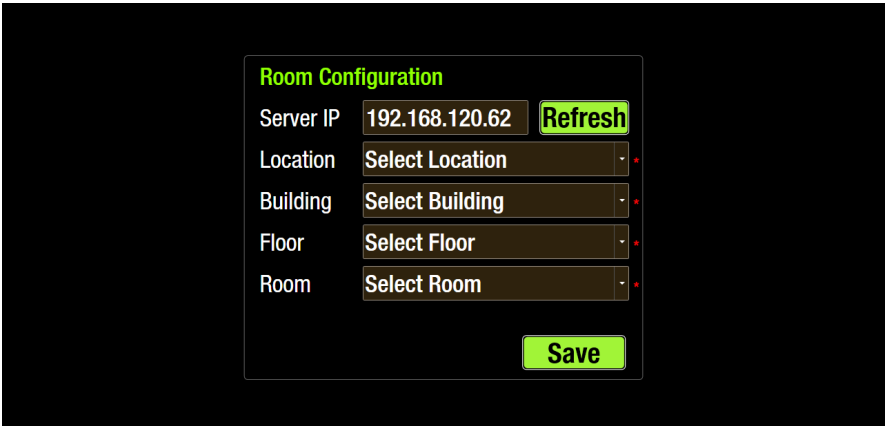

Figure 5: Power-On Screen

1.1 If the venue is configured for authentication, (Refer to CloudPoint User Manual for more details), you are prompted for login authentication.

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Figure 6: Login authentication

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Figure 7: Home page

Note: Refer to the CloudPoint User Manual for details about Using the CloudPoint.

6. Using the device

The main application of Arrive RoomPoint™ 4242 is to enable multiple HDMI sources, such as Laptops, DVD players etc to be switched and shared on HDMI displays. Input selection to Arrive RoomPoint™ 4242 can be controlled through the selectors on the front panel, remote controller, and an external control system connected through RS232 port. Each of the method is explained in detail in the below sections.

6.1 Source Selector Button

The Source Selector Buttons on the front panel allows you to select the input. Please refer Figure 3: Port Identification Diagram for more details.

Press the switch. The respective LED indicators glow in response to selection. The selected input is visible as output also.

6.2 Remote Control

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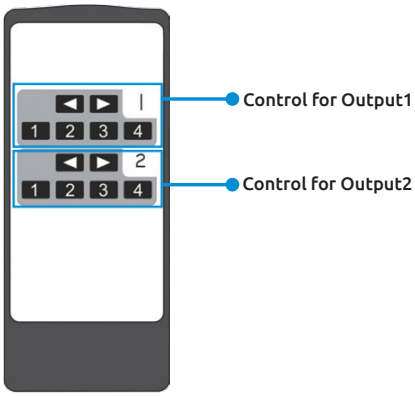

Figure 8: Remote Control

There are two separate group key pads to control the two outputs. For each output port, there are four number keys and two arrow keys. Press the relevant number key to select specific input. Use ◀ to select the previous input and use ▶ to select the next input.

- Note the respective LED indicators glow in response to selection.

6.3 RS232 Control

The device can be controlled through an external device connected to the RS232 port of the device. The COM port parameters should be:

Baud Rate	2400 bps
Data bits	8 bits
Parity	None
Stop bits	1 bit
Flow control	None

RS232 Commands

User Command	Description
cir 17	Switch Input 1 to Output 1
cir 12	Switch Input 2 to Output 1
cir 59	Switch Input 3 to Output 1
cir 08	Switch Input 4 to Output 1
cir 5e	Switch Input 1 to Output 2

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cir 06	Switch Input 2 to Output 2
cir 05	Switch Input 3 to Output 2
cir 03	Switch Input 4 to Output 2
cir 11	Switch Next input to Output 1
cir 1b	Switch Previous input to Output 1
cir 48	Switch Next input to Output 2
cir 55	Switch Previous input to Output 2

Note: The USB 2: 1 switcher has auto detecting capability. The output automatically switches to the new input plugged. There is a source selector switch; that also helps in manually selecting the input.

7. Safety Guidelines

- Follow the installation and connection instructions correctly.
- Place/ Mount the device in a dry area and is away from heat sources such as radiators, heat registers, stoves, or other heat generating devices.
- Protect the device against rain, moisture, dripping or splashing.
- Place objects filled with liquids away from the device.
- Place the device away from naked flames, such as lighted candles.
- Use a dry cloth for cleaning.
- Open all ventilation leads.
- Protect the power cord from being strained at the plug-ends, convenience receptacles, and the point where they exit from the device.
- Use the attachments and accessories specified by the manufacturer.
- Unplug the device during extreme weather conditions like lightening, storm and also when unused for long periods of time.

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8. Troubleshooting

1. The CloudPoint homepage is not displayed.

   You can try these:

- Ensure the device is correctly powered on. Press the Power button on the device if needed.
- Try changing the power cord.
- Check if the input cables (HDMI) are connected correctly.
- Connect the display directly to the HDMI OUT of the media processor with a HDMI cable of length not more than 3 mts.
- Connect the Cloud port directly to the display port with a HDMI cable of length not more than 3 meters.

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